SYNOPSIS OF THE PROJECT

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Shared folder/git repository details	https://github.com/DonaSiby1/MINI-PROJECT.git
Project Title	Hand Gesture Mouse Control

Description of Project:

This project is a deep Learning based attempt at developing a computer vision-based software for controlling mouse events like clicks, drags and movement. Through this project humans can control a computer without mouse.

Currently, wireless mouse or a Bluetooth mouse uses devices and is not free of devices completely since it uses a battery for power and a dongle to connect it to the PC. In the proposed AI virtual mouse system, this limitation can be overcome by employing webcam or a built-in camera for capturing of hand gestures and hand tip detection using computer vision. The goal of this project is to train a Machine Learning algorithm capable of classifying images of different hand gestures, such as a fist, palm, showing the thumb, and others

Front end and Backend Tools	- Keras - Python - OpenCV - PyAutoGui - Pillow

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